

# Arc Lamp Controller Panel Model 2012



## Description

The product is a 19" CW Arc Lamp Controller in size 2U and is designed for operation with a 2010A Series OEM CW Laser Power Supply. This unit offers Local Control or Remote PC control via a 9 way 'D' -type connector allowing the OEM system builder even greater flexibility.

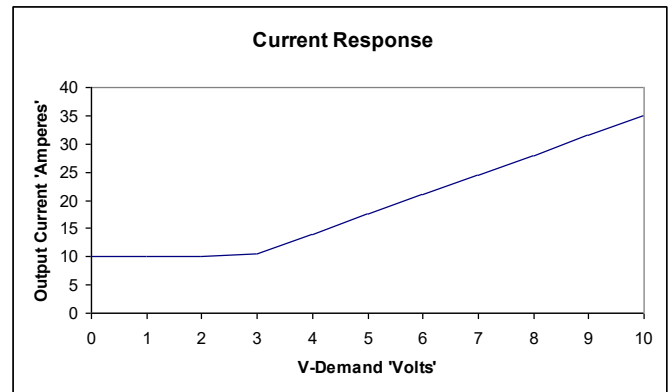
## Highlights

- Front panel manual control
- Key Switch power ON/OFF
- Front Panel Current Display
- Rear panel remote control
- Fully RoHS compliant
- After sales engineering support.
- Ease of maintenance.
- 2 year warranty
- Compliant with the following safety standards;
  - EN61010-1
- **NOTE:- it is the system builder's responsibility to ensure these safety standards are maintained.**
- EMC compliance is the responsibility of the system integrator.

## Electrical Characteristics

These Characteristics reflect operation with the 2010A power supply.

Line Input 1-Phase + N	85 – 264 VAC
AC Supply Tolerance	± 10%
Frequency	47 to 63Hz
Power Factor (Full Load)	≥0.9
Crest Factor (Full Load)	≤1.8
Output Ripple (Full Load)	1% (3% peak to peak) 1kHz Band Width
Line Regulation	0.1% for ± 10% Line Voltage Change
Output Drift	≤0.1% over 8 hour period (with constant temp, load & Line conditions)
Efficiency	≥90%





**Control Functions**

- Interlock
- Status (Volt free Relay Contact)
- Lamp 'ON' Answer Back (Volt free relay contact)
- Remote /Local select of ON /OFF
- Output Current Demand Voltage 0-10VDC
- Output Current Monitor Voltage 0-10VDC

**Front Panel Control**

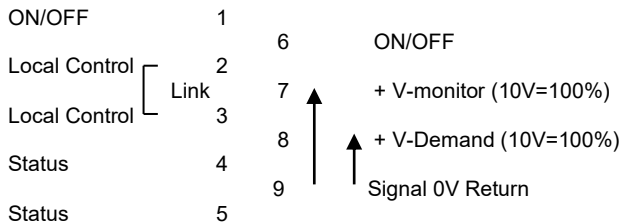
- Power ON/OFF Key Switch.
- ON /OFF Rocker switch (with automatic lamp ignition)
- 10-turn potentiometer for lamp current control.
- 3 1/2 Digit LED Display of lamp current.
- Push Switch selecting 'Standby', Remote or potentiometer control of output lamp current.
- Fault indicators.

**Connector Pinout**

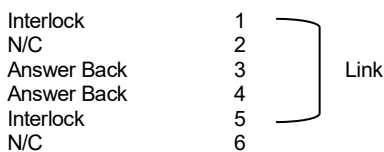
15 Way 'D' -type socket

This is a "1 to 1" connection from product 2010A. Do not break into this connection.

9 Way 'D' -type socket (PC Control)



6 Way ITT Cannon Free Plug (Cooler & Q-switch)



**Safety**

All control circuitry is low voltage and wiring has full galvanic isolation from the line supply.

The build standards comply with EN61010-1 and conform to the requirements of the Low Voltage Directive 73/23/EEC.

**NOTE:- it is the system builder's responsibility to ensure these safety standards are maintained**

**Protection**

Protection circuits are integrated with the OEM 2010A power supply. (See separate data sheet.)

Product 2010A has a VDE rated circuit breaker.

Output protection is included in the event of a lamp failure or connection to earth by a latching over current limit.

Thermal protection is included against overload.

**ACCESSORIES**

Part No.	Description
2010A	OEM CW Arc Lamp Power Supply
2019	Optical Feedback Unit

**Mechanical**

Size (mm)	Height	89.0 (2U)
	Width	483.0
	Depth	135.0
	Weight	2kg

Temperature Continuous in an ambient of 0°C to 60 °C

**Contact Details**

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We manufacture over thirty Standard and OEM power supplies. Please contact us to discuss your requirements.

